

Name of Module:	EKG- 12-lead data acquisition						
Module Provider Level:		EMR	X	EMT	X	AEMT	Paramedic
Contributor(s) :	M. Sturkie						
Instructional Setting:		Single Student			Small Group		X Whole Class
Learning Domain(s):	X	Didactic		X	Psychomotor		Affective
General Description of Lesson:	EMR	N/A					
	EMT	Obtaining and using information from patient monitoring devices including: 12-lead data acquisition and transmission					
	AEMT	Obtaining and using information from patient monitoring devices including: 12-lead data acquisition and transmission					
	Paramedic	N/A					
Objective(s) of Lesson:	EMR	N/A					
	EMT	1) Define purpose of 12-lead 2) Know the indications for 12-lead 3) Describe the procedure for application 4) Describe the procedure for obtaining 12-lead information 5) Understand complications of 12-lead 6) Understand transmission of 12-lead data 7) Know how to document 12-lead data					
	AEMT	Same as EMT					
	Paramedic	N/A					
Assessment type(s):	X	Quiz			X	Observation	
	X	Lab Skill Sheet				Other:	

Describe the assessment plan:	Each student will be required to complete a written exam on the above objectives. Each student will also complete and pass the skills station. During the skills station each student will demonstrate the proper placement of the electrodes and how to obtain the 12-lead data.			
Describe electronic resource(s) used in this plan:	http://www.youtube.com/watch?v=eA5HmQSMGHE http://www.youtube.com/watch?v=TFcyiCKyaZ4 These are short videos that demonstrate correct procedure and troubleshooting tips.			
Materials and Resources used by teachers and students:				
Teacher Procedure:	<p>Teacher will go over the objectives by going through the power point. Each student should have a good understanding of the placement of the electrodes and the process of obtaining a 12-lead. Various transmission and recording methods should be discussed, following manufacturer's instructions of equipment used. Show the videos listed in electronic resources.</p> <p>After ensuring each student has a good understanding of how to attach 12-lead and obtain, teacher will test each student with a skills test by giving students a scenario in which 12-lead acquisition would be indicated.</p> <p>After each student has completed the skills test, each student will take the written test.</p>			
Student Tasks:	Successfully pass the skills station and pass the written exam			
Time Required:	# of class periods:	1	# of minutes per class period:	120
Notes, tips, suggestions, and/or extension activities:	If resources are available, do a 12-lead on a student or teacher. Have the students be interactive in the application and acquisition of the 12-lead.			